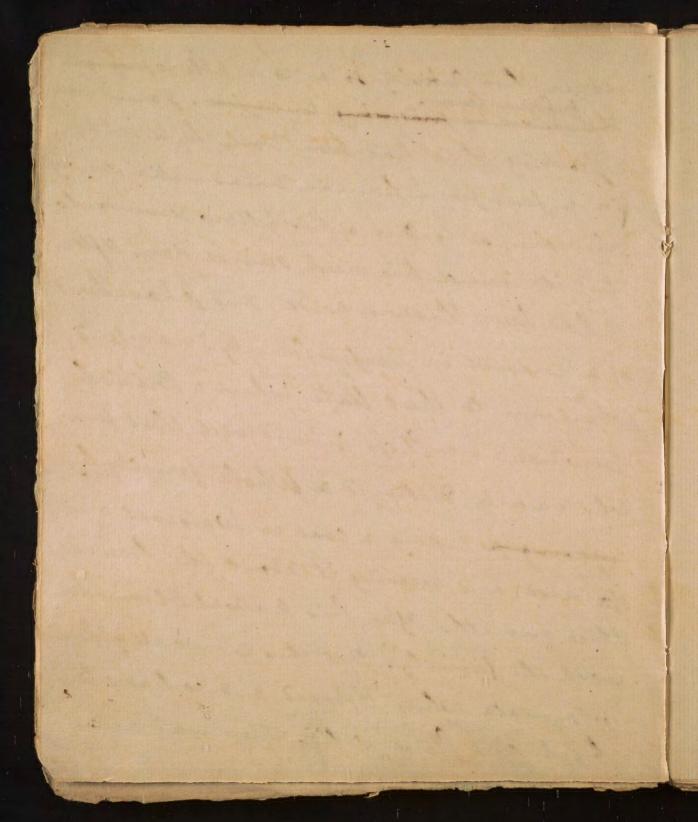
p30. Der the remote Carines of discentions ins ensible gradities from de in the dir well

co u -te ch CI he 3

responds them when formed, to be carried off by fresh air, and in the latter case to the disposition of those men to croud together in the hold of the Ship in order to protect thereselves from the lold and Danys air. Even the enthitury hospitals in hot Climates are whom visited with from from human Ini: -asmata. De Hunter informs us that during two years in which he had the Charge of a wilitary hospital in Jamain he did not see a single case of it. 3 Human eniasmata adhere to Chathing of all kinds, enou experially to Collon & lovolers whether apparel or antains for days, weeks and even mouths, during which time they

V These facts are of great application to in the martin of physice.

retain this artisity so as to be able to proposate the module fever. I only the continued. I only the afterbing that had been worn by a man in a fever from human lines mutta, convey that discuse to One of his fellow terrants who tied it round his much sweral days after it had been thrown aside, and I have heard of a convict in Itayord County Inanyland, who came to that State when a British Invince in a Ships infuted with that fever, who much Distroyed a fishole family by wersing a laking a coat or Wars cout out of thest, and heaving it about the house three months after his animal blommetine with the family. But this is not all, these missmata ashers to brown, and perhaps to brick and Stone Walls. There was air



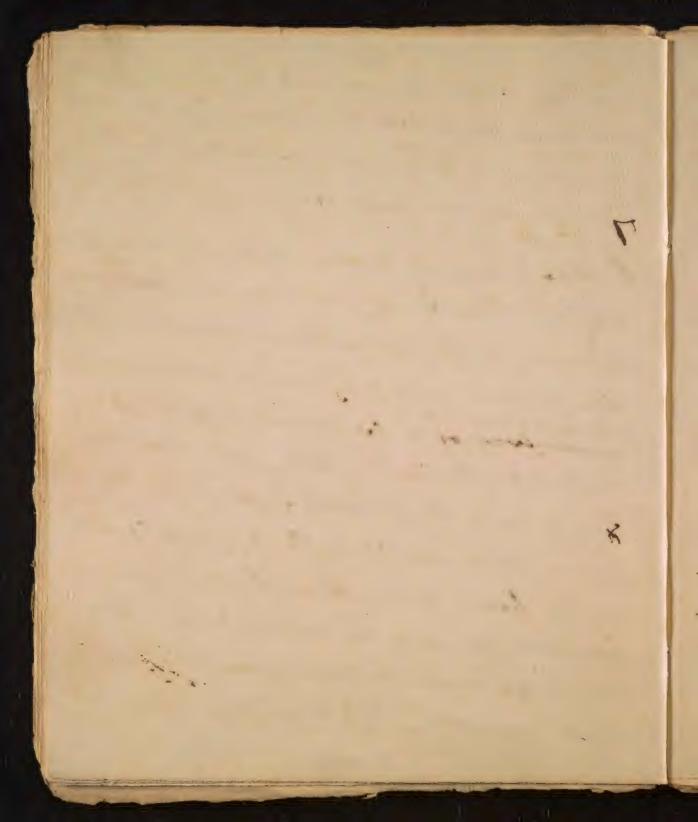
an instance of a worden hospital at the yellow Springs in this flats which betained the Seeds of this fiver for fire nouths to infect a runcher of boldiers who were sent to it, during the revolution my war. De Willow mentions an instance in which these mins = muta were returned in an artire flate for Swiral years in some houses in woods Close Clerhenwell in the City of London . Similar facts are related by Dr Clark. We are prepared by them to believe the amounts that are given In the Old testament of the Lyprory of the few which as hered with so which terraity to for the walls of this houses as to make it news any to them in order to distroy the infution. It is remarkable the contagion of the fever from human miasmata does not adhere to white washed walls, nor to w

VI was communicated in this way not huller tells us in his -eeles instical history on the 23 of June in the year 155 yin oxford in grut Britain. A certain Rowie: Inkins a popish boshseller was brought from j'ail is which he had been closely confined and publishly Convicted of dispussing a teditions panightet. Of the pessous who evere present at his try al 300 were infuted by him and died, and roo more were infuted pout of the land house by the who has received the discase from those Who were infected in it. Of these 500 who were infected in it. Of these 500 . Where was a single broman or thild. Iter was a single broman us as a single single informer us

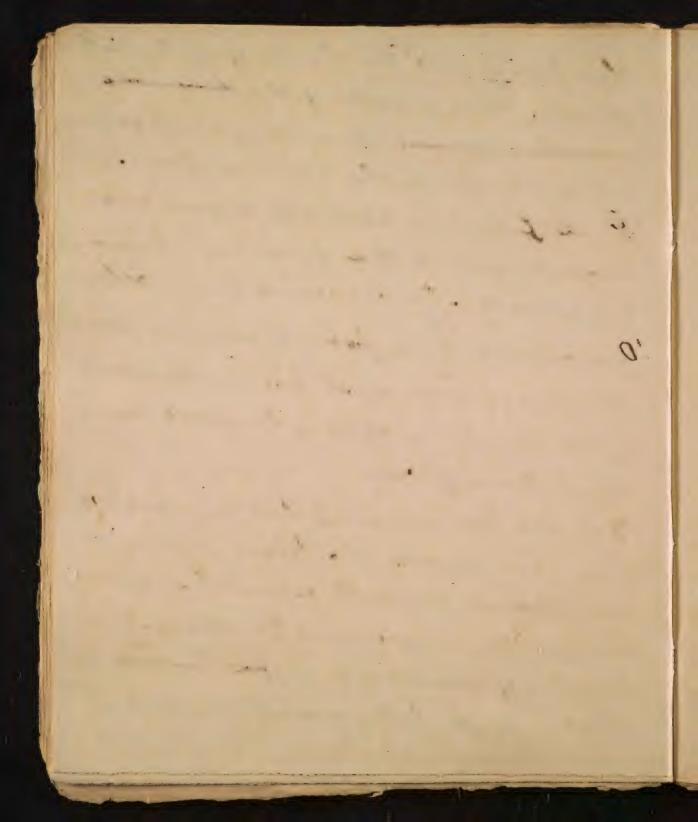
ground floor. The former has been proved by Im Howard in his aument of Lucarettos, and the latter by Count Jaxe in his Rusies upon the art of war, and heres he always he who forbad the ground of his willlary hospitals to be covered with wood, or any Other matter. D' Lilton followed his practice and abrie in the Constructions of his hut= - hospitals near Inmistoria in the year 1780, and with bringular advantage to the Toldies of the amorican army. 4 Persons highly impregnated with retained & vibiated perspiration sometimes in feet offets that seeple without being infected themselves. was communicated by some Criminals brought from prison in the Anothe to the ow Bailey to forty-preserved on the 15th of may 1750 to four End ses, two or three lawyers, one

V analogous to thise facts, there was a man eveneyears ago in new lessey who was incapable of hing poisoned by the Common pois on Vine of our meadows, who never failed to infect his hopewith it after hand hope or being of therewise exposed to it. from their own confined progressation. Solitary fevers are often induced in this way.

Theriff, sweral prives and to as many others as made the whole humber who died ofit · amount to forty pursons. no ane of the Criminals was even indisposed with it. 6 Edio or human minsmata are much aided in this operation upon the house by means of Cold. It was observed that those persons who sat wear a window and who were exposed to a cool current of airpat the Old Brilly in the Case just now men. - timed, were the quatest Sufferess by the lever. Lold was often the existing cause of the four generated in the american hospitals during the rurhstionary was. This was enost obvious when the foldiers evere vernoused in all weather to prevent



Their falling into the hands of the British array. Three Jourster of them there who were there exerced generally dichned soon afternards, with the hospital fiver. To The Juble and debilitated pressons are anost Inbjut to the fiver from human minsmata. Comaliscents from other discases, and in spoone instances from This four, were most frequently affected by it in the wilitary hospitals during the revolutiony war. It has been asmarked that megnant los: = znen, and Jussons who labour under pain: - ful abscepes buguently escape this fiver even in the most exposed fituations. The Stimulus of distintion in the first hastand, it of pain in the latter, protect the Tystern

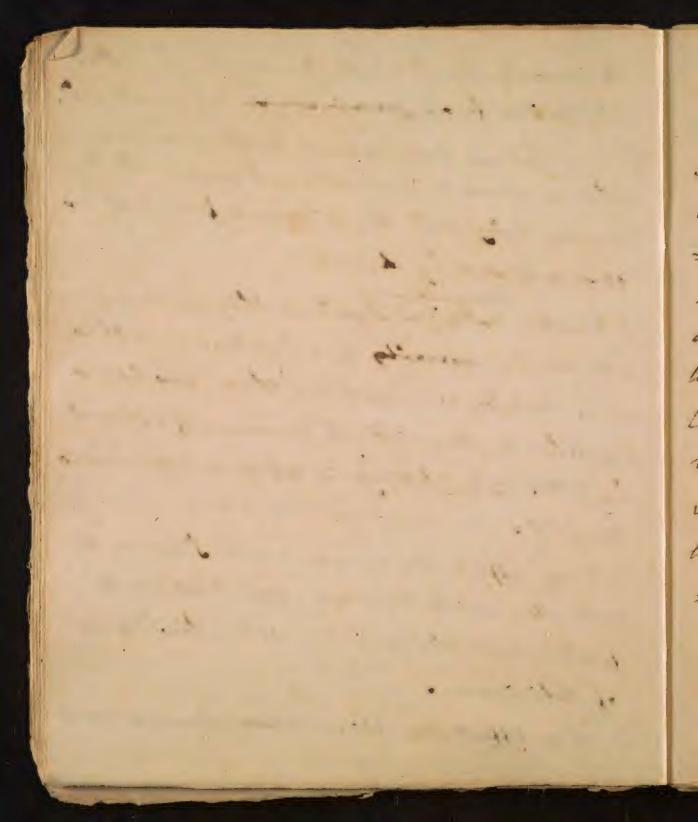


from infection. after particistion, or the Opening of an Abscept the Jamie persons are often affected with this fever. & Dynepion of mind erve only generates this fever from human himsmata, but midio: - pour to it from all its Other Causes. 10 I have hitherto tropen only of the mor-- bid effects of the miasmata emillio from truman bodies, but many animals lender Circumstances of Confinement & bad dit, comit eniasanata Which produce disease. Cers instance of it is mentioned by In Todyce as having accurred on board of a Ship in which a number of theeps and hogo were sent from great Britain in the year 1778 to now your in order

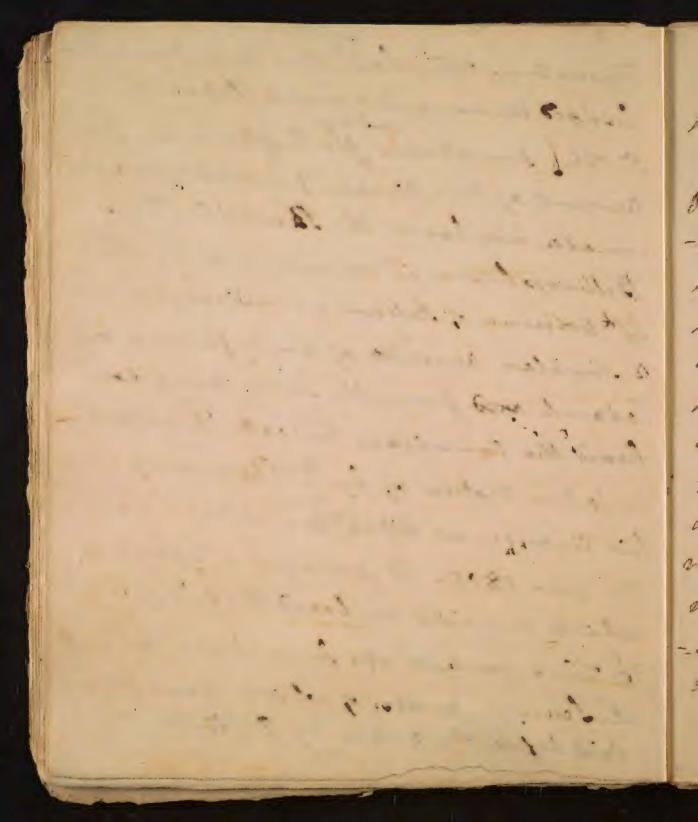
Justin Than ten feet from persons infetts with the fever.

I dencian army; while the four induced by them in the common soldiers I previously worne down by Jabisme. or to come it, it would not be und without one or two bludings in the left fatigues and better fed officers of the army, or of the well fed citizens that caught the discusse by hing capons to it.

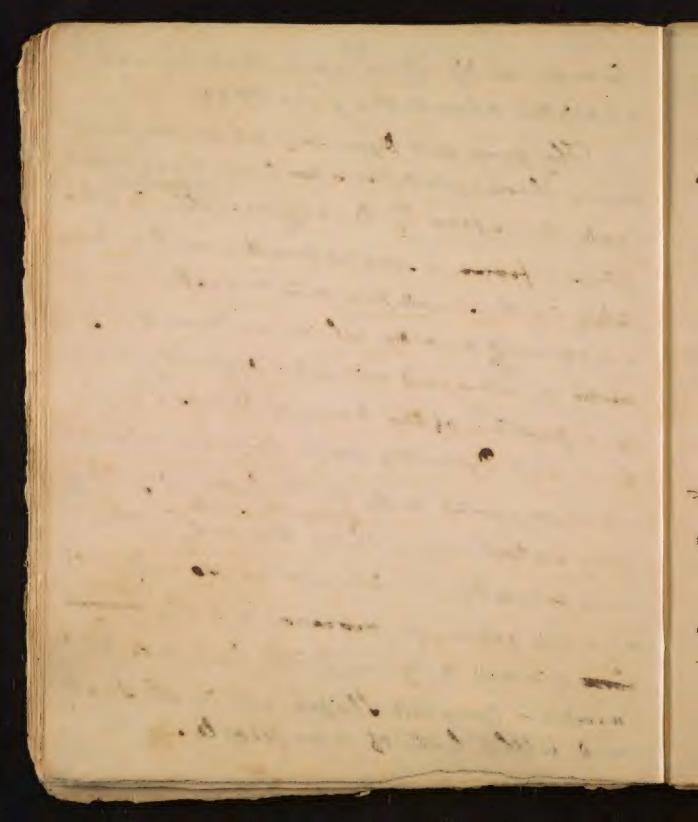
to supply the British gamison in that city with fush pourisioner arienal food. Let us now attend to the manner in which these Enisometh art upon The hu. = man body and the different forms of Dio: = case produced by them. I he the Batterid Type tern they produce fever which is would of a typhus and thro: - arie waters, except in those few Cases in which they attack promous of robust habits. Histordating is seldown reguired to cure it I In this way they acted in the some 2 They affect the viewes with Striper, the muscles with tremors, the head with pain, and the mind with a low degree of delirieum. 3 They affect the alimentary Canal with



Dysenting. This has offen been Observed in besiges towns, and crouded Ships. 5 They sumetimes the Influence. an amount of this discuse from idiomiss. - mater on hourd the British Ships Bellerophrous is mentioned in the 4th volume of Bellamys midical journal. a Similar ausunt of an Influence on Catanh and from the same Course on board the american Frigate Philadelphia is taken notice of by De Champmey in his irangural differention published in the year 2805. It precided a Dysentery which prevailed on board that Ships. 6 These emissenates bountimes induce the Sourcey - moops of which have been laid before the public by Deflaiborere in



inanguesal dipertion upon that discuse published about the year 1799. The form and Dysentery which are Derived from these exhalations for fourtimes propagations - gate themselves by Contagion. The is of two kinds - from a sceretid matter much as takes place in the Imall pose and measter - and an excreted malter which is formed by preter a new and witinter organization of a postion of the Animal Shinds. The June and Dysenting from human missoriate are pross asouted centy in the latter way. They ower extend more than ten feet, they ower permade the atmosphere so as to mo-- dues an epidemic, this wase, and they bring the disease only in Juils, hospitals, prisons Eurispes - cross ded Ships, and in the Small and filthy hets of poor people.



That there is wothing Specific in the malters which thus produce fiver Dysentery I infer from this evet producing uniformly the same form of disease. Thus The executions from a pulient in fruere andress a Symentry in another person and vice verse. In person prodisposed to Dioceses are excited by them when they act upon persons Inedisposed to those other discuses. V Thing have I priented out all the dis. - I was which of opens to be the Offspring of Sormasmatie exhalations whether frager derived from the bing books of men or butes. Druitehell supposes them to be the 2 and soo as Enarsh on thornomiusmette, and has given to South the name of Septon to which he

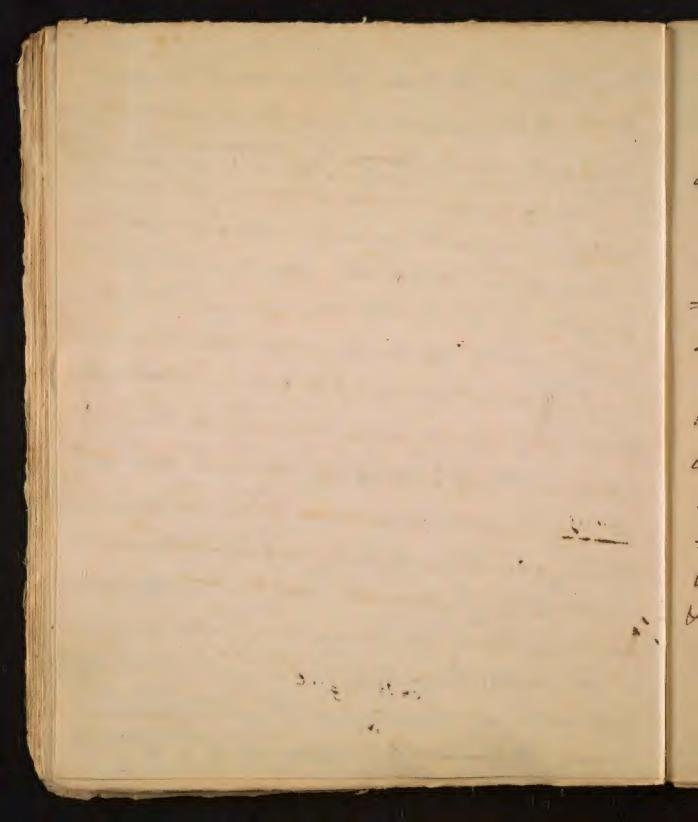
*** in the supplet of which were a second V 6. The prostions of the brain, and verves and formationes of the armseles are errette impaired.

Assibes qualities of an and nature. J Connot apent to this opinion while I revollet it immense difference between the hospital from (of which I surs several theris and instances & in the military hospitals of the United tates during the zero-= butionary war), and the yellow Junes which has to Often Waspeared in over lite sierce The year 1793. The pure from Himismoth differs from the from from Thorno miasma the in the following pasticulars. 1st provides checked by warm who a land hold by warm who I st affects from one graphely. 3 It is seldom attended with a Dischurge of believe even with a dick flowwith. 4 Its consigning we seemely perceptible . 5 The pulse is sulton above a tryphoid action, of It

the Synonomes of Juil, hospital, Camp 42 Ship pures.

V functions of the Bruin theres & muscles are much less impaired in it, Stran in an Idiomias matic pour & It The generally terminates sochen et apremis The form of a Remillant in 3.5.7.9. or 11. Days : But and Home it apresses a Chronis form and continues 15-20 d 36 days & It is owner contagions is expt when it ofsumes a Chronic form of Itis destroyed by heavy sains high wort. 10. It is known by the hames of bilions fever yellow Jever-Runithing & intermitting fever. and anterment fives.

Orswelly Continues -10-15- and over 30 Days. 8 lt propagates itself from its executions chether by warmen hours animo animo appears under ancers lances and with Jigns with revene of those which have been mentioned. Ilt Inwails Chiefly in the the Jenner & antum. eral months, & in Chinates uniformly warms at all Seasons It att who traducts persons of robust habits chiefly & for the enort of discharges of file , or a total blutimetin of the exerction of till, and Sometimes of its seextion 4 It is attended with obrisons internificus or remipions. The pube is generally hymochers justis or writers , or typhoid, and the best of the thin forthe above its natural timperations. 6 The



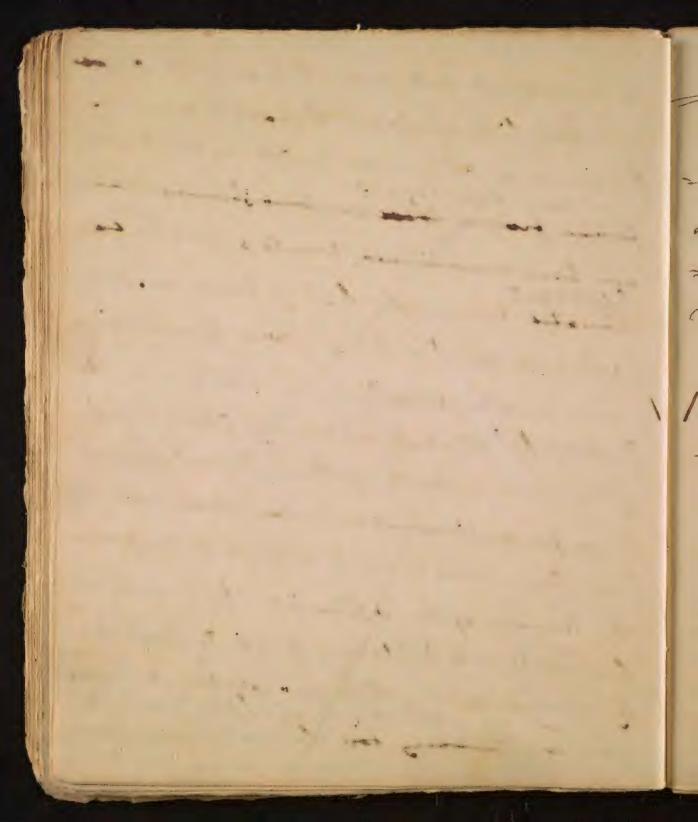
while I thus maintain this sunashable difference between the fiver, from lloing, I ldio = mi as evatre exhalations, I admit
the former tenformetimes act who upon the body while it is emprey: = realed with the latter, and thus produce a Kind fiver with a yellow Skin and Iwoul Other bilious Synsptoms. Degronsoe in his treatise upon the Diseases of the British army, and Lemmine in his account of the diseases of Januaille describe this sur mongret journ of doubte finer. Sailors who arrive in the west Indies in Stage crowded by sichly Ships and by the affected and whose bodies are imprezented with human missenata, are often affected with it.
This heterogenions fever is sometimes Inopagated by the Contagion of exception

The second secon the same of the sa V I, hall now add that reason and experience are equally competent to prevent all the diseases from human or idio miasmatic exhi-- lations. The United States of america have furnished a thicking proof that the universal preva. elence of _ p 47.

and here has arisen the error of the conta-= gious well of the yellow fever in the beest proties. I said formerly that no Climate however Cold or hot is newparily wishealthy lithers the extremes of the weather are opposed by Initable drepes, and Other aumanned ations have which reason and experience bushinggester to obviate their painful and morbid effects
upan the body. He saws thing This of Countries and places that are un-- healthy from Koins & Dinninsmativ cihalations. Hours the Superstitions belig in the exclusive origins of fivers from those two Sources by herished from medicine, & unjussal Gunhiness

Land the united flates have & furnished a proof that the Minusal puratione =

lei introdució into our cities, criflages country fit untiens - houses & persons by me und which are within our power, and the thing that blotted out from the list of Discusses. Hole - land once the for bed of from from lyino : - minimutip exhalishing has herrenade healthy by the cotravoring Chara lines of the trababitants of that country, tand fines possibilitions motar villulations have been musty priver and only brown the houses of the affluent , but from hospitals and fails for great Britain ly running all this remote thoutispoing and the directed states have it



- of and firmor ample aurmand ations even for the poor, in the of Downster Clean. - hines, - of a plustiful or Competent Justoby of wholsome aliment, - of Content. the Certain means of preventing which originate in human briasantte. I may this flate of our Country Continue Will time that be no more ! go to fo: 109 of 20 f 3 - one south dayy. we know to mention other formers of the unhealthy qualities of the atmosphere from 711. ain the enafter discharged from the brugs in Respiration This has been called a rote of a ritrogen by the Chamists. When confined, or undiluted with common Chirit modules



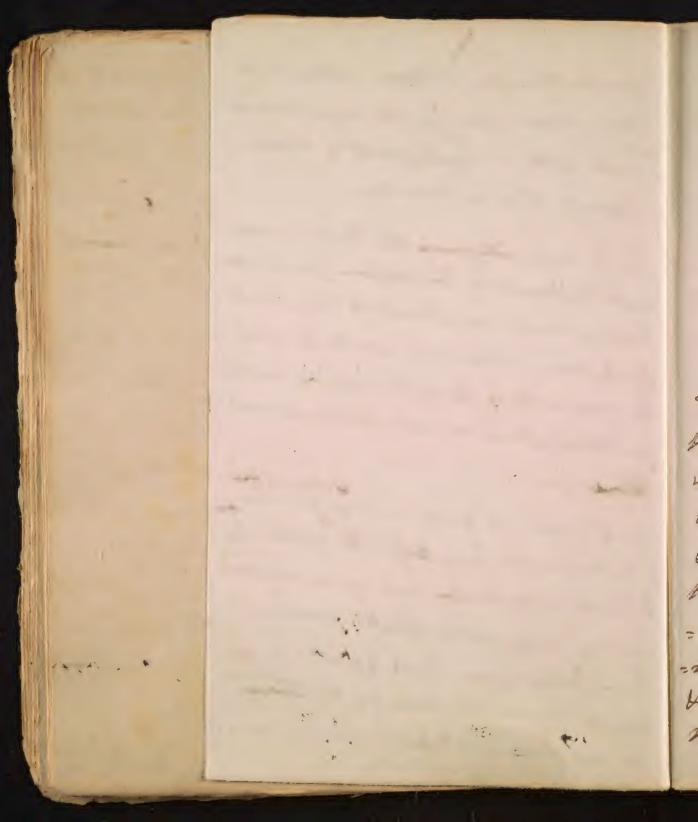
116 The mother which produces the Influenza Comes west these our notice. I know this Discase is clapsed with contragions, Discusso liza Julian and merry other Physicans. But I be live its to the remote Cause to be sented in some initating matter in the atmosphere, and that it spreads independantly of any interessed to Citizens with each other. my Rensons for this opsinion are as Jollon. I The rup with with which it spreads their different brunties, and Juguently this large lections of the Globe. In this export it pur - tuhes, this in a greater degree of the of the monner in which bitimes Junes & other atensopherical discours

all heard on the Donto of Suphish null room DoHalls re of doubt thruselus the house in the Debate, hing with your dia ifamords. tracted ling erised chiefly being oven hogisticated et go into



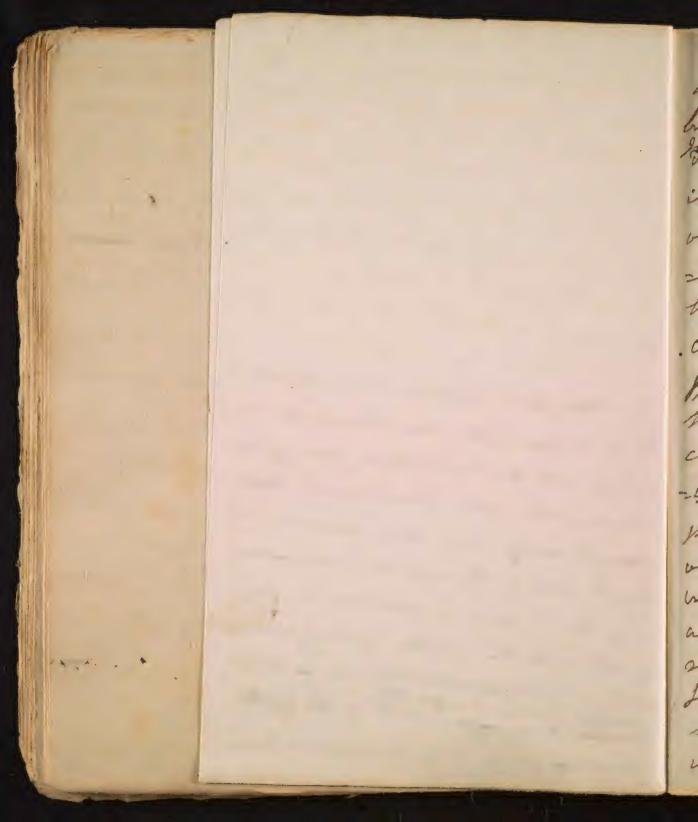
all heard on Typula through Villages, Cities and the Doubte Countries. The finall prof Imens les of snelishwhat with a fifth part of theen wall room Celenty this a Country. Detales 2 I infor it from the Jophenne not to yound by Contagion from its is of doubt howing sever hun trans to any one Thurselus the house) water debate, hing with Spot from which it conto be said to originate. It often begins in two or three places at one lettre same your dis 3 - Singer it from many families.

I individuals being affects with the ytemards. tracted ling wired chiefly Disense who had had no interesse in any way with affected pessours. being oven En Sailves have hun affected by it hogistication senote from the Phone at the fitme t go into it has prevailed repor land. -

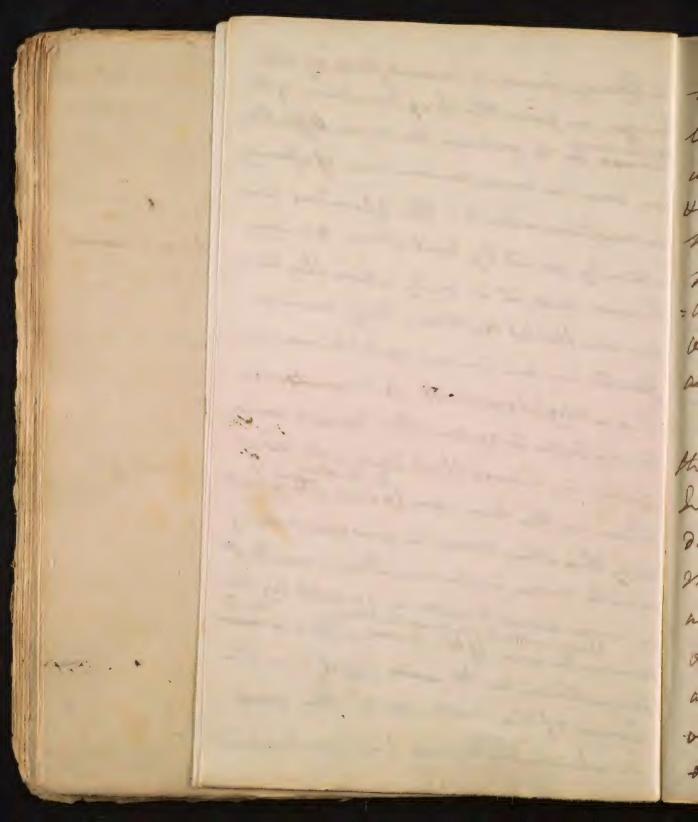


To these facts, I know it is Objected that it has often been traced to an indicaral coming into a family or timen. Where this has been the Cage, to it may have been accessioned by the bruth of the affects persons ex-= ting the discase in persons imprega = notes with the matter of the fuffuence Within sincheres with the of the affects persong may have undergoni freh

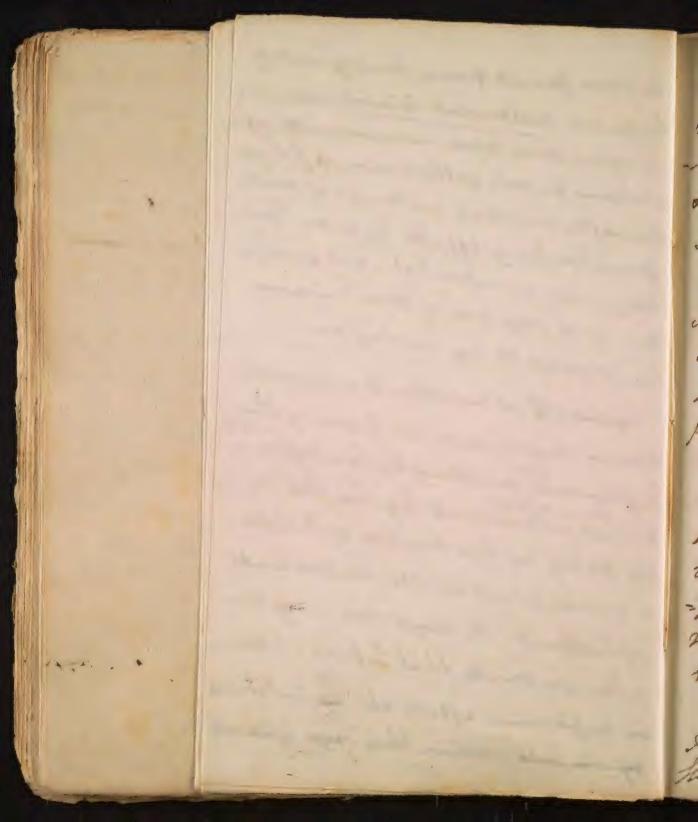
all heard on the Doubtes of Inghishwall room D'Halls us of douth Thurselues the house) in ute Debate, hing with your dis farmands. tracted ling erived chiefly being oven hogisticatio t go into



a Rhange from a discuss plate of the all heard on lines, or from the brug duration of the Inthemas, as to produce the same Offertion the Doubte of Englishin one or enne members of a family null room or neighbrushood. The glanders cer. Datales string yours by Contagion among us of death horses, but it is only when they travel, . or are Stables together. They armes thurselus the house) water debate, hing with fores in an improuptable manner this a mightymshood. a Circumstance contributes to enou this Discase Courts. your dis -gions in horses that Does not take famords. plan in the human speries they buther tracted by only this this wases in Consequence of which more inflammation is caritio be erised chiefly a more aisis analter is sureted by the They in the Influence in men; It is so ais living oven Jonetims as to work affect or en the hogis hicato bones of the crose, or 3 the cross rt go into in which the discuse has been supposed

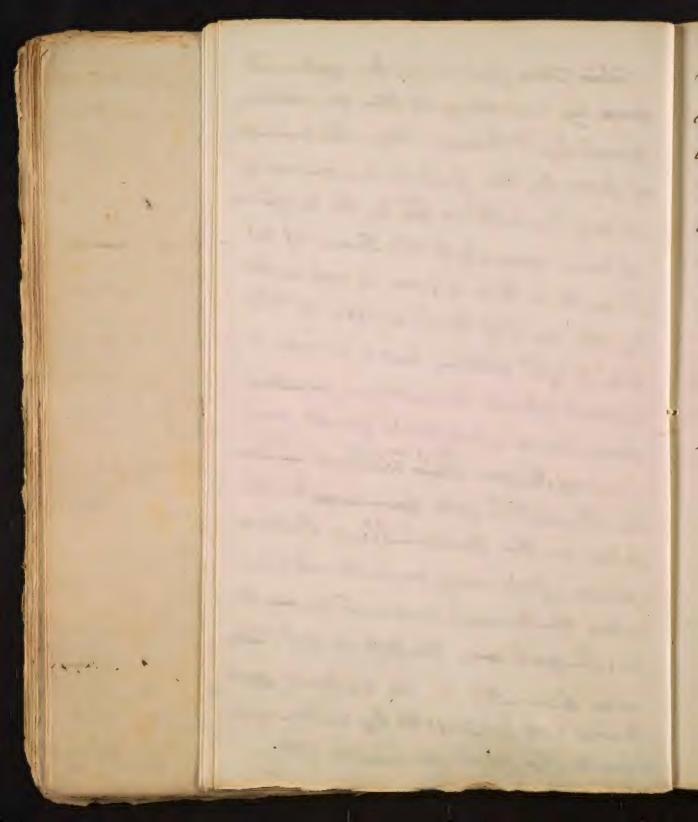


to have yours from trutagiononey all heard on be from autoutal Comindence think the Doubtes as often takes place in intermitting of English. & historio from & opthalmin of Ishall wall room Leventer mention instances of whole Jamilies living apputer by paby- Epiz D'Hales : apong - and went fore legs, and surely no are of death and will say any of three Discuses thruselus are proposated by Contagion. the house) in the Debate, hing with again But unother & a muit though argument in favor of the from a your sing by Contagion is afternand . manly in his history of A Kiton, tracted by a small Island on the Wislim Coult wired chiefly of Scotland. He says that way time being oven a Stranger visito shat Island a Catarole shogistication or Suffrence affects all the inhabitants of the Sole william there Days afterwards, it go into

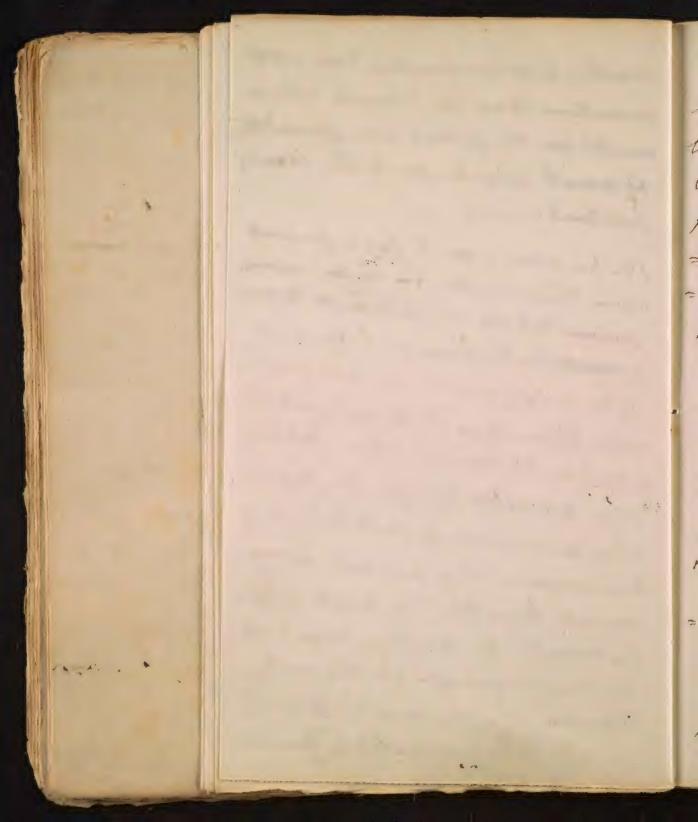


This fact may be explained for by resorting to the one men-- kined by Dr. Blane - Viz: the production of from by the first intercourse of Jailors in a Ship, for by the acception of new recounts to the bren of a Thip. It is true a four is wot werter by the Visit of the Stranger to the Island of It Kilda, but a dischool is produced which sometimes presides fiver, or is a Substitute for it on board of Mips. The occurred in The the Philad a Thingate, from be the latter in the British Ships Belleso. - plazon Jonanesty mentioned . Take notice the Discove induced in all the two Ships & ver the John of Stille was diswited in its extent : It was not propagated by wither of the ot go into This to the posts or wasts they

all heard on 1 the Doubte of Suphish. wall roven Datales ne of douth thruselus the house) in ate Debete, shing with mone dis afternards. tracted leng derived chiefly being oven shogisticated



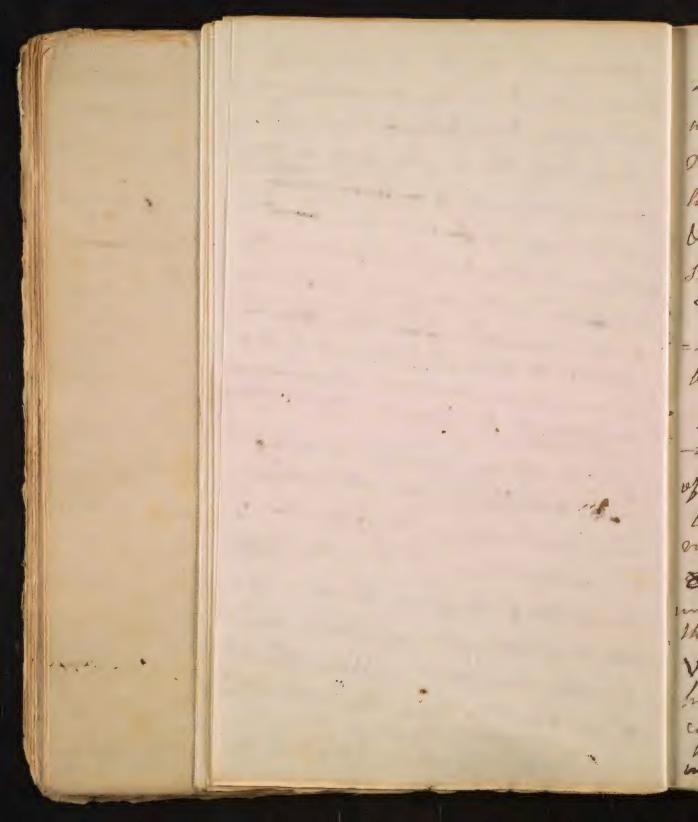
visited, &montantary does not all heard on mention that the Catarale when 1 the Doubtes caritis on the Island wer spread to of Englisha) acent islands, on to the Coasty mull room Datales Sert land. IV. he come even to fay a few words Inpour those matter in the bir which ne of douth thurselus the house in the Debate, with -grants in the human body, and after mixing with the air propa--gate themselves in it, and produce myour dia a similar Discase in other Corties. afternards. They are called perific Contagions. intracted ling They arese formarly said to be very ammerous. They are now very derived chiefly much limited. The hund port, - being oven the musles, the Chichin Jovy and phogistication the Hooping longle are the only Discuses which can confidently ot go into he said to be propagated by Tomific



all heard on butagion from these have lately the Doubte hun enposored from some facts brought to light by the resensels of English_ of ma webster to originate in a mull room punliar & morbid date of the at DoHales = enosphere. The Cynamehr melig: = ma, & Senshitines are esistently ne of death thruselus Almes sherical discases when they the house) in ate Debate, is hing with Great by Contagion, which they accasionally do, it is protably from the highly discus to flates of the wyswu die papes in Respiration. They webster proposes they are derived from the same surprised from the same surprises arian water which produce they to afternards. intracted ling derived chiefly = miasmati fuero, - if this be the caso - being oven Those mi mounta must lie a quat 12 hogisticatio while in the System, on have left a medisposition to a disease upon the ot go into Thraut IShin behind them, for they

V It is perulian to these Contagions in the Course of life with smooth These an exception to this remark. The matter from which the Contagion is formed appears to be a secretion.

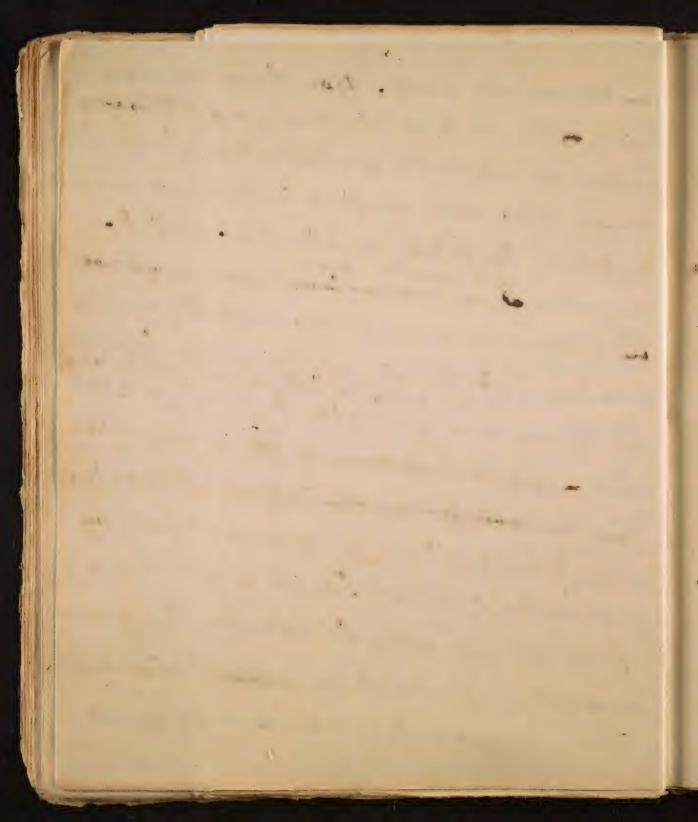
appear in winter us well as in all heard on Summer, & in Day as well as in of the Docto wet weather. Perhaps they may no. - of English. - thing but the enalignant, or ganmull rover inflummatory & angina, best Delales Changed by what I shall presently ne of such of the atmosphere of the atmosphere thruselus the house) State. a Cutumb is indued by Dio: micarmatic eshalationes - who may not rivate Debete, a Cynamehe knaligna be indued by Hoing is hing with a miamata? The hould jova moster, hooping afternards. Lough, and Chicken pay all produce Thanselves without the Conscration of intracted ling an existing Cause. In this, they differ derived chiefly from the fivers from krins, and being oven Joro ideomiasmatis exhalations w? 12 h bogisticato for the most part regnere the his of an oxisting Canoi to produce them. (though bought is it) Under this head I shall basely ot go vito



(though foreign mention those disenses which are all heard on monetted propagated from Specific of the Death matters by Contact only. They are - of Inglish. the Itah, the Vineral Discases of the work worn Skin. They you as by a fixed metter. Dotales The front from The Small good - men of douth - she, hooping Crugh & Chichen proxyprend , thursches by means of a Volatile pratter. The the house of a Volatile pratter. The the house of a Volatile pratter infections invote Debate, former home him call infections involved with the Catter contagions Discusses. Jours is him with of them spread by infulion as well as mysom this Contagion - so as the break pox, and uptermands. whealthy qualities of the almosphere from derived chiefly The mixture of freign welters with it. luing oven V. The Enather Discharges from the phogistication lungs in Respiration. This has been called arote - witingen - by places treated ot go vito air by the Chemists. When confined, or modificatio with Common air it produces

the lying in hospital at Dubling 2444 died within 9 days afterhier birth. That they perished from the confined air discharged from the confined air discharged from the mortality being great very much lespond by the words after weeks, so that the crowded after weeks, so that the deaths were best 1 in 3.

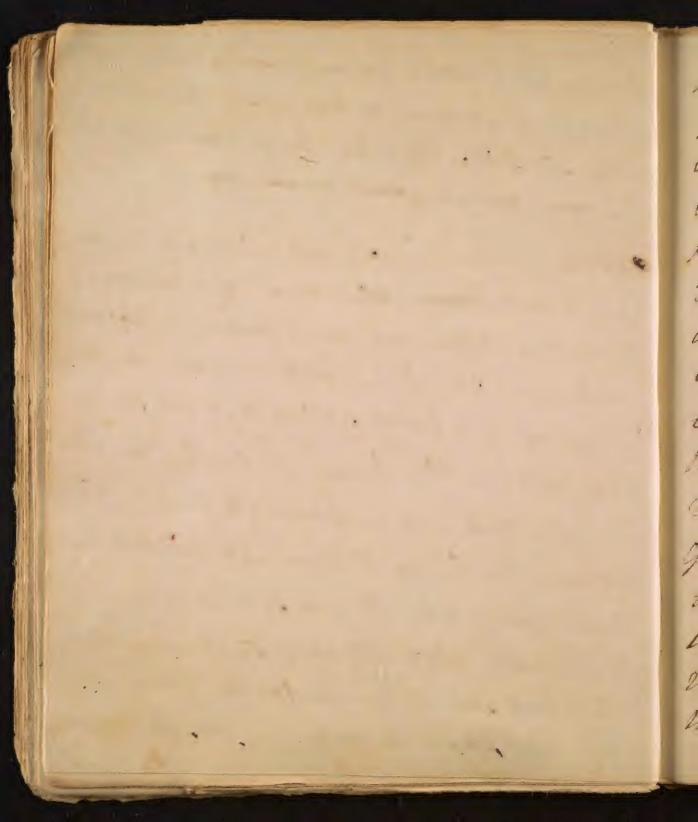
no discose and death. Those have all heard on new of the enclareholy amount of the Docto Sufferings and death of a rumber of English. = men who were confined in a small room ealled the black hole at Calcutta. D'Halls evention to similar instance of death 3 persons out of 4 who trated thruselus near a hole in the ceiling of the house of the bolt in order to hear a private Debate, of Commons in England perishing with here is Consequence of the impound this they in held from the love afternands. The Sichney which is often contracted ling Children in crosseled Schools is derived chiefly from the air of the School woons being oven charged with azote, or what phogisticated Mir. I know or lady who cannot go into



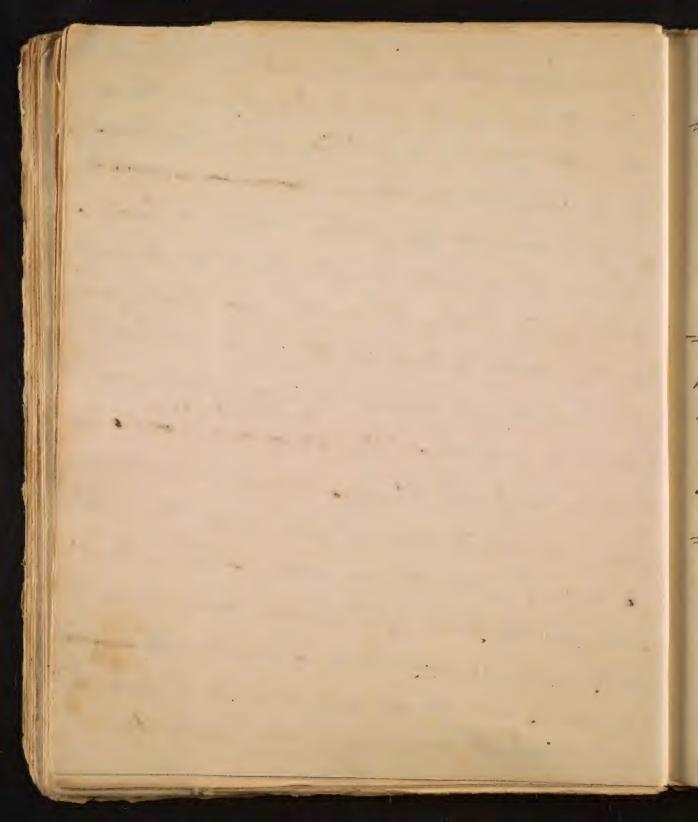
a crouded room to pay an Afternoonerisit without being affected with a to giddiness in her head, and & have known a gentlinan who was Subject to the gout who always belt in the same fitnetion a dishefsing pain in his Restrict. The Ynilespry Often attacks in a cronded noon - home its grame of Envilores Commitalis! on the disease which attachs in Company. The Ephlosisticated air is the existing lause, of this direct in It is and always more unhealthy out in Courts which apenable in the right, than in the day from it, being combined with the air which has been consumed in by Caroles, or Other artificial lights . This still



more unhealthy when persons who are confined labour cor exercise, them when Ity sit still. Exis by hung hung Demonstruted by an experience to water by avithe Carbonie acid who which is dischen -god from lises - the Calcariones carthes, alhulics, Charwal, and farmenting bodies Indues godines, head ach, nausca, ero= = miling and death. This and acts Sperific - cally upon the brings, for in the Stormach it is cordial and embrished in a high degree. The lungs of animals which have been Diskayed by it are sometimes so completely collapsed as to tisk in water, This fact should be necollected when we are called upon to examin whether children



have been still aven or distroyed after bisth, for if by any arrident thing should have in hall aportion of this gas, thus hings will exhibit the same apparents phonomena as if they had ermer breathed. From its quater Sperific gravity I han atmospherie air it exists mar the Surface of the carthe where it Oftwee Jonoves fatul to Dumb and ruminating aminals
Than to 2 man. The favoring goods men Craples which always abounds with this Jas Derives its Eranne from its fatality to dogs. - mrBruer tetts us in his travels. that in the town of Suraar word upon the Ville, and Deveral Eniles around it inthe the carth cruits an air which is fatal to all animals except to enan probably



huansche is evot obliged to sloops to receive his nourishment from it. em Brue lost his gry brads hounds, and all his mules a few weeks after he arrived at this lown. They died he says without discouring any outward 2m awho of cliocase. The Uniwhol-- some neps of the air is confined to the rainy Jeasur. as lover as it comes on the inhabitants save their calle by drivings them to some distance from the lown . to The Soil which emils this air is un. - comminty favourable to the growthy nice, wheat and millet, but no bree on flower, except the amore; will flower, will your in it. It is were oruglowed by the will. When liviviated it affords a good deal of Salt, the waters of which



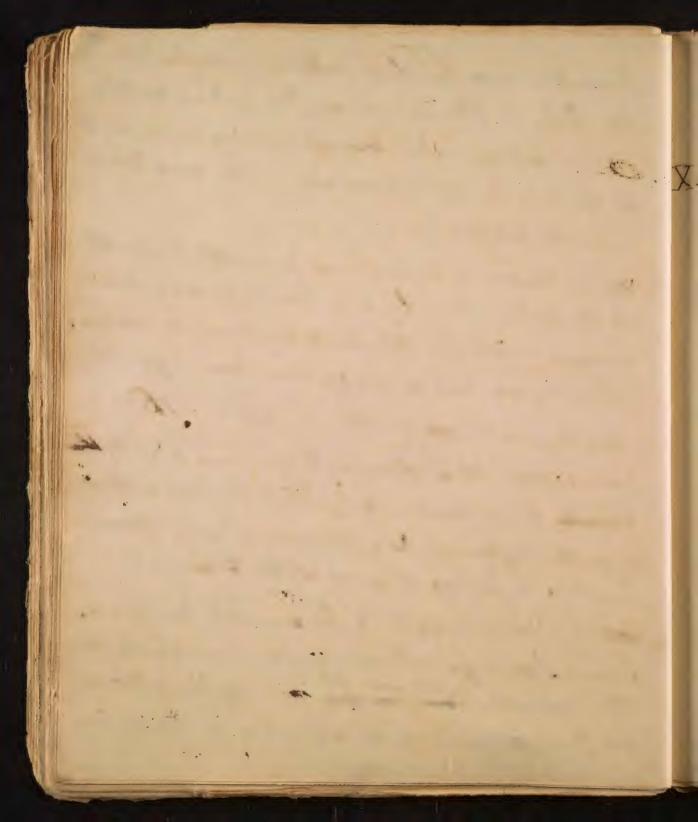
is not mentioned by morpour. In walk ing over it he title us he preserved puch - Ling paires in his legs. There is a portion of earth man the Scioto Settlement on Journal of the Ohio river which propers and the properties ascribed by mr Bruce to the doil of Serman. It moves fatal to deen, and in and instance to two pusspies below. = ing to a mor Jegrain who wisited it: Villytrogen Jas sometimos mixes with the air to as to become the curre of disease and death. I'm Tuanhlin was affected with our intermitting four in Consequence of inhaling the a portion of this air which was discharged forms by the agitating a poul of flaguating water. The thousand to know to their suddenly Distroys life in Sublementous

V Kigh walls motest from it, and heavy rains distroy it.

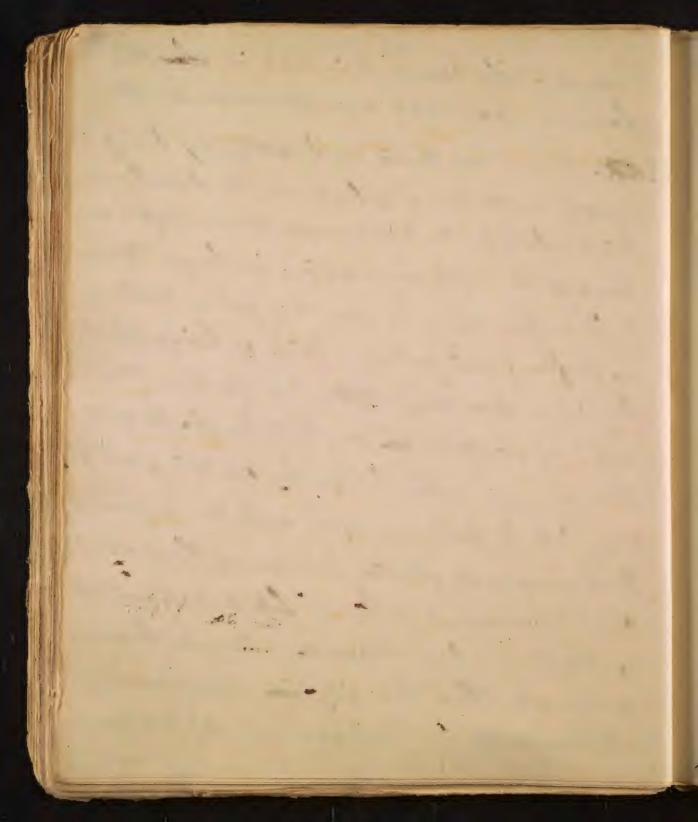
Carrono ofnines, in which places it is called Chink Damjo. VIII there is a wind known in the Eastern Countries by the name of Harmettan or Januarous which sometimes proves sudden - ly fatal to man and other animals. How. large beds of Bitumen which about with the Julphuris acid, are which the heat of the wolatilises and which by mixing from sets at liberty, and which by mixing with the air imparts to it its deleterious quality. & Its fatal effects are avoided only by falling with the face upon the ground. Persons who are destroyed by it friends in a few hours. In putrid ferment in this Case is introduced into the body, for this and is of an antisceptie nature. I shall

V Kentricke emitted a Sulphusie Jator was after an certificable in the year 1811 which was distinctly perceived 150 yards off for some time lefter it. In a your thick settled country it w? probably have fortund discase.

hereafter avoribe this wither puttefaction of the body to the invenere stimulus of the Hamaltan wind disorganizing every part of the body by its action upon its unsibled initatele fibres. -IX to a bapor is formationes emitted from the easth when tones by an carthyrake which mises with the air and produces discuses. This was remarkably the Case after the carthquake was on the 7th of June 1692 in Jameica. Three thousand pessons died of the effects fever mod med by this Vasson a few months afterwards. It had a very offersive finell. a spring of pure water bor in V x rest a Vapor is said to be constitled formationes from Springs which Contaminates the Dis. This was the comme of the plagues at Viena, and of another in a town in



France. The Vapor it is said in the the former Case had an Offensine Smell. XI air is undered unhealthy by being mided with the helphur or the helphurie arid which is discharged from fopil Coal driving its inflammanation in large towns. aftranger from a Country where tross is used for finel, relaun fails of being affected by it a few days after he enters the Cities of Lowdon on or Windrugha It acts Chiefly upon the hongs by existing a lough. The late De gardines of Charleston informed De Ramsay that the Citizens of Charleston ance determined to arm Jopil Coal instead of wood in their houses. Coughs become general this the city in simulately afterwards in Consequence of which



the live of how was restored in all this Sire places.

The lier of a #120 our in which word or load

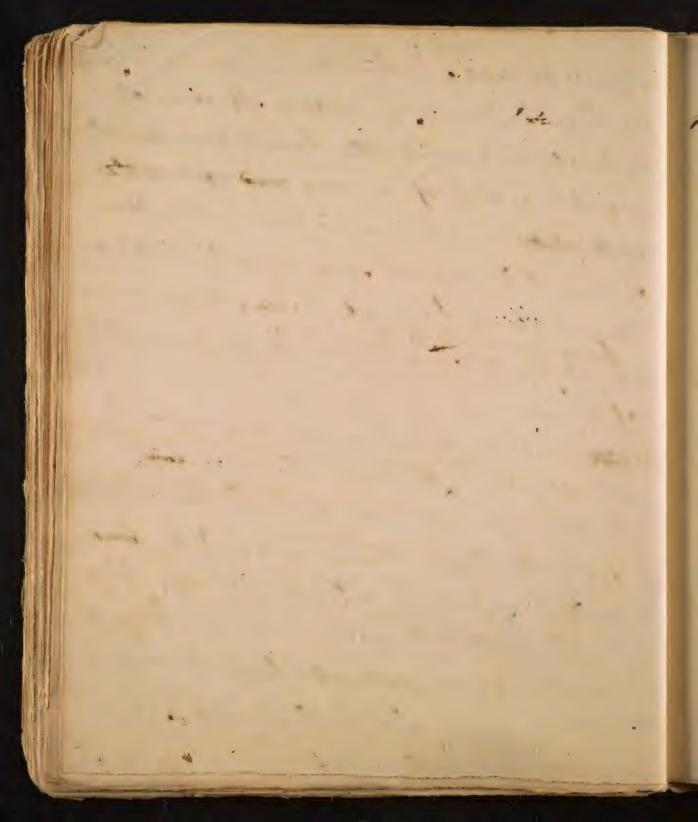
XII the office of a close flow is Often un-- healthy. It indues hear ach in Some people, and great languer upon Others. - Feron the same effects and being indued in a voice heated by a brick or Chive flow it has her Insposed that the The flow and is consumed byit, and have its unpleasant, or unhealthy effects. Others ascribe these effects to the heat of the The showing a pratison too much dryness this lather opinhon the late of water upon the short supon the Stone which throws off Voops or into the

V a fine promer is emilled for the grinding of Gypsonn which is inhaled by the trungs, where it often produces prelimonary complaints. The Floriting particles of flows create a Cough has The frynerry of that discuss among Enillers in all Correttues.

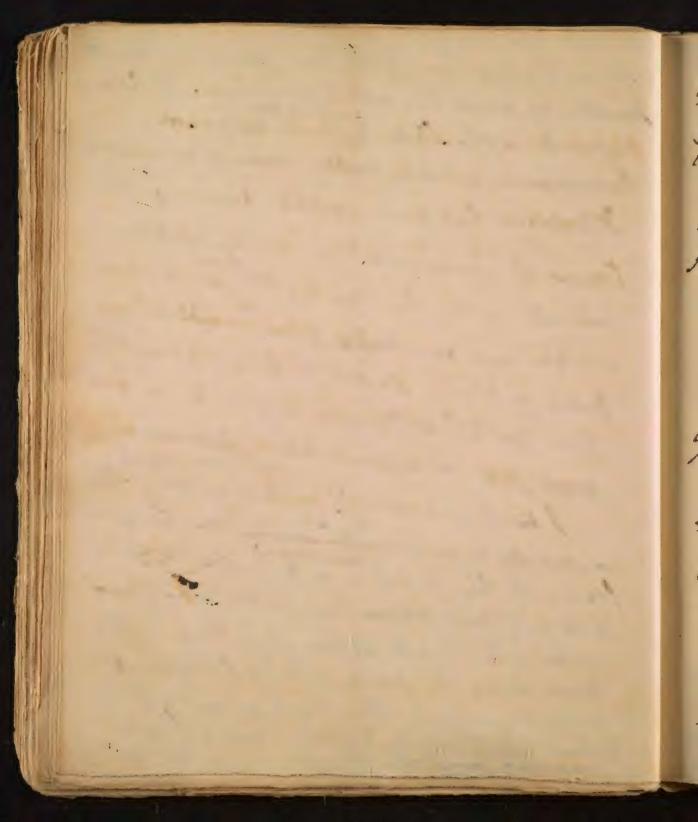
in proportion to the heat of the flowe, Disagnable of sets upon the bols. XIII The effluria of Certain munifactories sometimes antaminate the air, Isan. - time all those which Diffresethio it the volutile parts of Awenie, lad, on Julphur. The last bubstance Vizfulphun has been said to induce mental as well as bodily disease. Brysome as wiles or part of the pendias witherup of the inhabitants of the maples This cours tantly inhading more orless of the Vapor Sulphuris Vapors emitted by the valcano in its mightweethood. XIV Certain aron of Johnsto - Spices - Jums be which float in the air formationes



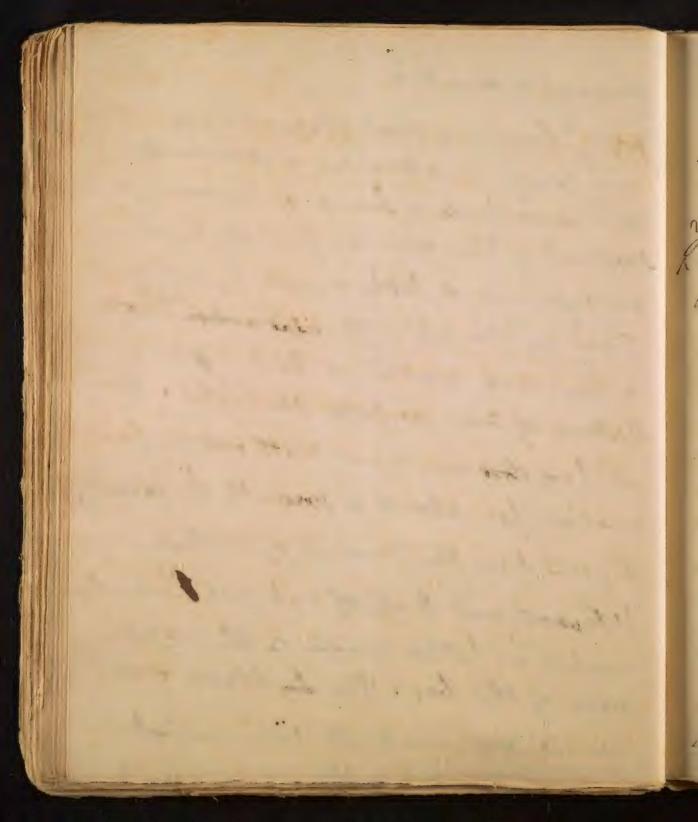
indru discese a a hind ach has been bruits on by the fruit of allopice. Persons of delicate and issitable habits have firetty . speaking, died of a rose was of trustes afterolets in aromatic pain. The Hon of trapel Dr Viridet says menty killed a Januar ber of boys at breva, They were from its morting them large Gerantities of wine. IV Particles of Sand which are diffused en ated by the wearing away of the Shells which pane the Sheets at Turinam, I the fine pollen of plants which fills the air in the state of huntriche in the Spring of the six, have all been known to produce the optiahuria. The



Same discuse has often been produced by the Imparts to the Shin a Dark Color. Protietes from your organism and in from from Deddoes has enumerated among the Course of Consumption the instation indued in the hungo by the particles which are enritted from hubles in prinding them so no to your the un their fine polish witherby to fit them for Jan and Irest I distance a grantity of fine Jand and dust white hobiets the wind bleve regions him while he was preaching in the Open air. The discharged by Boughing Jame Days afterwards 4 of a pound of Jano Whest comerated by mices, and a larger grantity from of both from his Homach by

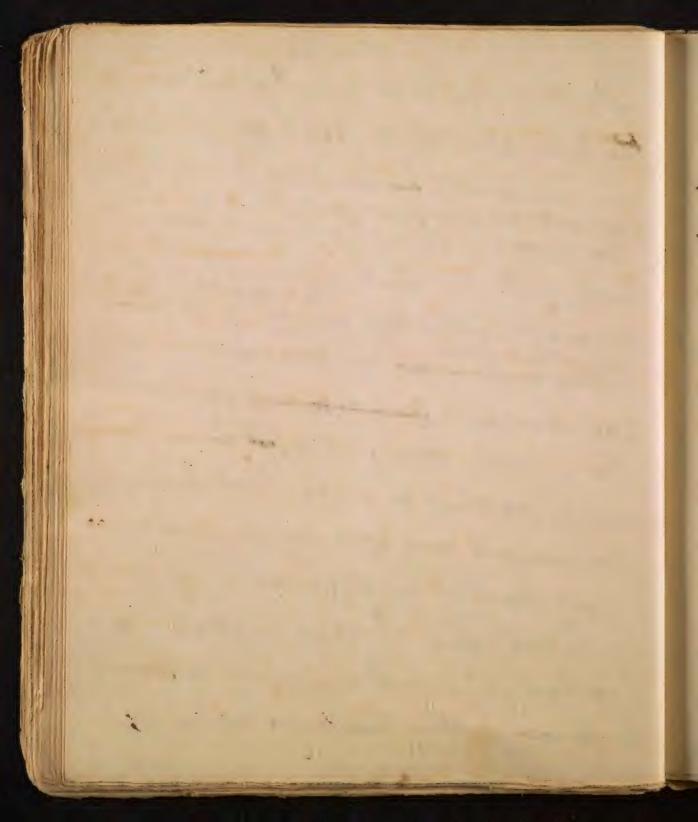


means of smatics. XVI I have said that Stagnatus ain without my foreign meathers being combined with it is sometimes a source of discase. For Support of this opinion of thall mention an experiment lately arrable by ma Joseph Cloud ing this city. He filled the mosto a box that contained about grine Gallous of air - perfectly air tight. after it has the remained without the least motion for about a smouth he spend it, and I in the mesent of maltinon Uposost and Profe of Dutrical Philosophy applied a lighted candle to the upper part of the box. The to blace of the landle was instantly catinguished.

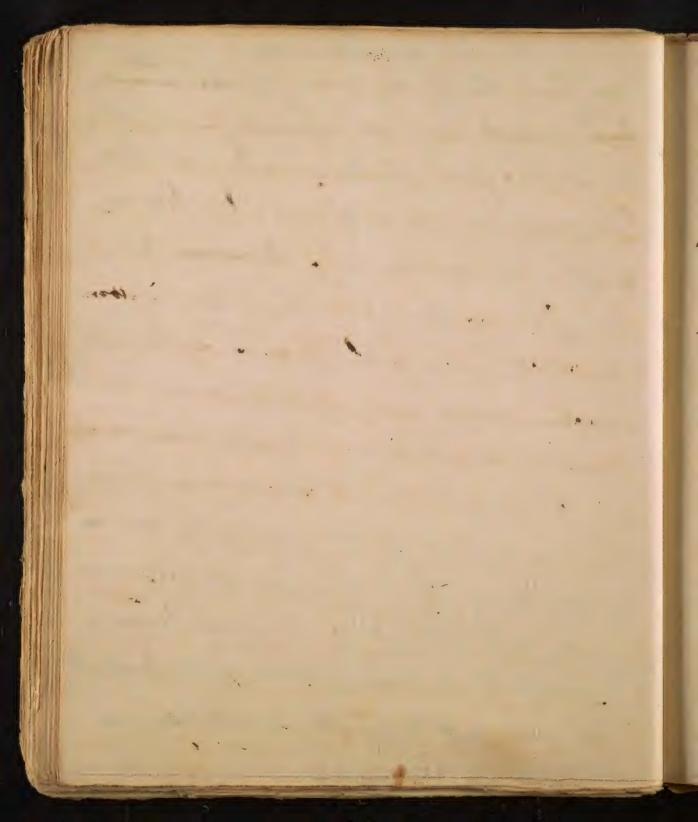


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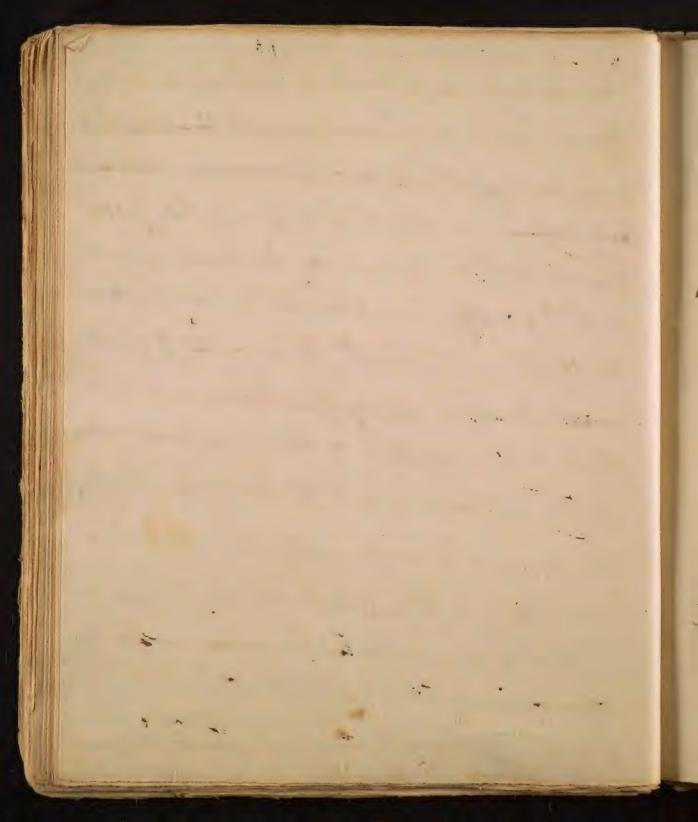
He then applied it in a lighter flate to the lower part of the box. It The blaze you will easily comprehend the lance of there phanounens, boise the arote of the air that ascended, It its original the Security to the love agreeably to their laws which govern them, consequences of their ropestress in consequences of their from each other. This fat is an in un important one for 1: it proves the component parts of the atmosphere to be kept together by diffusion, and not by mixture, and 2 that motion agitation is indispensally needpary to preserve this Union. Here their



we leave the final cause of the business him him stroms in every part of the world. Our globe would not be habitable with out them. We have Juster the reason why bowers Cellen, houses and Churches that have been Weeks with the Closely that up often burne both the head ach, latarsh and fevers. The Sichness on board of Ships which are breakned for two or three weeks mobably arises wholly from the chisumion of the Compo-- ment parts of the air. They have been ascribed to the protespection of the fewelent parts of fish & Supplants which we



are thrown up upon the Surface of the Duan, but his have proved that liquidity and pretrequetion are incompatible with cach other in the history which was given of the Origin of Rosinounius mate, that ligarity and putifaction are incom-- patable with each Other . The I shall beat hereafter apply this Discovery of ma Cloud to the practice of physic, particular by to the trentment of Juness . I again the prevalence of postibulial furns has bee always been marked by a thousing about of wind are sine aure" Wind. We was so in the great plague



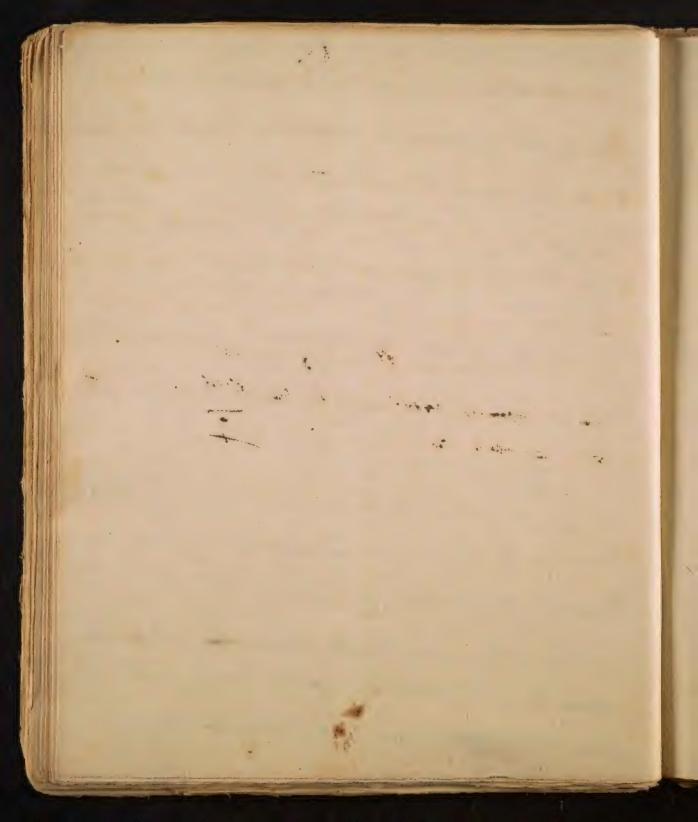
of instances in our next lecture. 68 in Lordon in 16656, Vit wasto in the yellow fever of 1793 in Philad The Discussion of the Component particles

The discussion of the Component parts

of the air in them cares added too the

sylveno:

influence of the encurrent which Indrued those discuses. - Puhups in Tome Cases it may be the crebisive Cause of them. If mentioned formuly toyour the authority of Boron Thotasbolt - a place in Touth america in which wind is un. - known insommedathat the Indiana who be inhabitants have not a home for it; oyel no bos discuses are



produced by it. In this cares habitement Dustroy its envolved effects, or the Vapor exhaled from the waters of the two rivers Vio Omnihe, or black niver bray deprive it of its receious qualities. - Or profilly The Baron muy have been misinformed, to and there may be no formation for the support fort what he believed and programme communicated of

V Drygenham ascribed it to a mineral exhalation from the bowels of the carth.

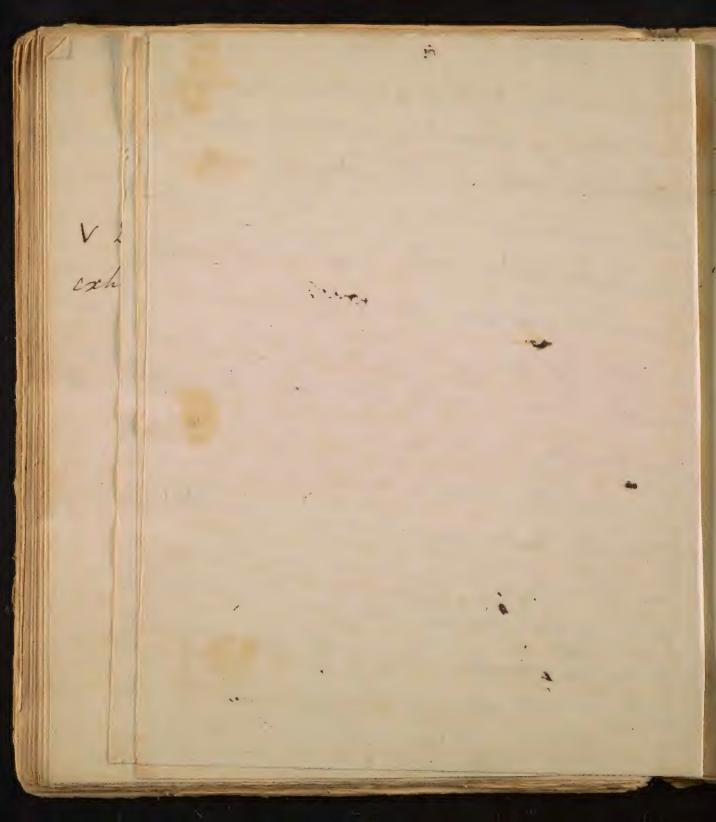
Hipporates, Lydenham & many other writers have Often mention in their works a certain quality in the Air which they have all called an inflammatory on malignant Constitution of the abmorphere. It has been ascribed to a perpendence of oxygen in the air by somephysicians, but this is Dunid by the Chemisto who Jay the proportion of drayen in the Airis the same in all countries tim all places. Others have ascribed to her the air bring overcharged with chebical matter, but of This we have no proofs. Monverigno: - runt we may he of its townson nature, of the matter which this imparts to

caho

the air a disposition to render discuses unusually inflammatory on Inalignant, most physicians, allers all animals, and begetables, nayall na_ - tree hear testimony to the certainty of its existence. I shall mention the proofs of this aportion in the countriling part of our history of the laws of Gridenics. at mount it will only be newpary to remark that this inflamitoristitution of the air vaists independantly of its sinsible qualities, and of course in all kinds of weather. of this grangham mentions The following instances. In angust 1739 a great languer opported every body" - from what toused probably from

2 cahi

the Stimulus of this latent waller in the Air induing Dyprifoion of the whole System. bagan he all the This Deprepion was to not confined to the human Spains, for the Ductor adds " the linging birds were ? deprepied, and ever the grap hopper was mute. at the same, tays the Bothe weather was marly as usual, Inol, and moist, with the wind fouth wester = by In the same months of August 1734 the Doctor Jays many hirds die in moulting, and searchy was the noise of the graps hopper to be heard" mobably from the same flate of the atmosphere which took place in the year 1739.



This inflam Constitution of the air tome. -times permades the whole globe, but it is oftener confined to single countries, cities & towns. Iron & there it sums like cold, rain, hail how and flowers to appear in What are called brins or in aftipo of Country. & limited by mountains or ives. It seldom protrus discused itself without the cooperation of mins = mata, or Contagion. The yellow fever which is the common bilins furer exalted to its highest grade, has not been Inoduced in a single instance in the United flates without the Consciation of koins. = minomatu. This is a most consoling Consideration under the prepure of

V motued by them, compared with the sensible greatities of the this particularly its Changes from heat to Cold, and from Cold to heat. Two reasons may beginn for this 1: The great aptitude of the body to anounandate itself to any fituation. And 2'y the great and prompt disposition of the air to releve itself of all extraverus or foreign Inatters. Of this, the Jollowing fact furnishes a thiking proof. at the Lutinines in fertland, the air is an much impregnated with a poisoner, effective the leaders, that birds which fly over new them instantly fall had on every day of the week except Sunday on which day the labourers cance to works and the air recovers its hatural purity and healthings. We may been an important lepour from the many of the facts that have been menair, and that is, that the general Concers of the

pestilential discusso. The influence, or malignant Constitution it is true, care - not be removed, nor changed by any muns in our power, but the corporating and writing eniasmata, may be emoved which are produced by their he prevented. The force and Dunger of were contagiones discares may be appear triing the prevalence of this influer? Constitutions of the atwestohere by a greater Degree of Dystition than w? be groper on newpary if the those Discases Depended on Contagion only, without the additional Stimulus of the inflamed matter after all that has been taid of the in the air. unhealthy impregnations of the atomsphere, It is agricable to Observe how mousto fine discuses comparatively speaking, are

aid of an existing cause, and that both of their may be avoided by produce and care, so as to prevent the formation of his